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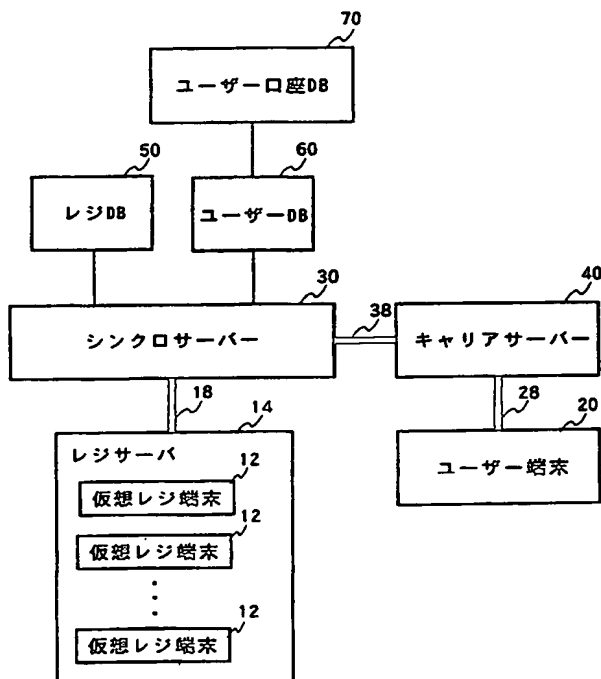
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- (22) 国際出願日: 2000年3月29日 (29.03.2000) (72) 発明者; および (75) 発明者/出願人(米国についてのみ): 中島啓一 (NAKAJIMA, Keiichi) [JP/JP]; 〒104-0032 東京都中央区八丁堀1-7-7 イーマークシステムズ株式会社内, Tokyo (JP).
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- (26) 国際公開の言語: 日本語 (74) 代理人: 龍華明裕(RYUKA, Akihiro); 〒160-0022 東京都新宿区新宿1丁目24番12号 東信ビル6F Tokyo (JP).
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1999年8月2日 (02.08.1999) JP (81) 指定国(国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,
- (71) 出願人(米国を除く全ての指定国について): イーマークシステムズ株式会社 (E-MARK SYSTEMS INC.)

[続葉有]

(54) Title: ELECTRONIC SETTLEMENT SYSTEM, AND SETTLEMENT DEVICE AND TERMINAL

(54) 発明の名称: 電子決済システム、決済装置及び端末



70...USER ACCOUNT DB
50...REGISTER DB
60...USER DB
30...SYNCHRONOUS SERVER

40...CARRIER SERVER
14...REGISTER SERVER
12...VIRTUAL REGISTER TERMINAL
20...USER TERMINAL

(57) Abstract: A simple, safe electronic settlement system. A user terminal (20) such as a portable telephone is connected to a synchronous server (30) by radio. A register server (14) of a mail-order shop starts up a virtual register terminal (12) and connects it to the synchronous server (30) through a leased line. The synchronous server sets a trade identification number for identifying a trade and sends information about the register server and the trade identification number to the user terminal. The user confirms the register server and returns the trade identification number to the synchronous server. The synchronous server completes the settlement between the virtual register and user terminals correlated with each other by means of the trade identification number. The user can complete the settlement of the mail-order without allowing the mail-order shop to know the user's personal information including the credit card number and the password, and therefore the security is improved.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/02015

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G06F 19/00 // G06F 157:00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G06F19/00, G06F 17/60, G06F 15/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Jitsuyo Shinan Toroku Koho	1996-2000
Kokai Jitsuyo Shinan Koho	1971-2000	Toroku Jitsuyo Shinan Koho	1994-2000

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP, 10-289267, A (Sony Communication Network K.K.), 27 October, 1998 (27.10.98) (Family: none) Fig. 24 (S159-S164)	1-29
Y	JP, 10-207946, A (Computer Consulting K.K.), 13 August, 1998 (13.08.98) (Family: none) Fig. 5 (208,210)	1-29
Y	WO, 98/21677, A1 (Matsushita Electric Ind. Co., Ltd.), 22 May, 1998 (22.05.98) & CN, 1212773, A & EP, 910028, A1 & JP, 10-198739, A Figs. 43, 36(b)(d)	1-29
Y	WO, 99/09502, A1 (Matsushita Electric Ind. Co., Ltd.), 25 February, 1999 (25.02.99) & AU, 98-86484, A1 & CN, 1246941, T & EP, 950968, A1 Figs. 84, 135(b)(d)	1-29
A	GIFFORD, David K et al, "Payment Switches for Open Networks",	1-29

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to
"A" document defining the general state of the art which is not considered to be of particular relevance	understand the principle or theory underlying the invention
"E" earlier document but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	step when the document is taken alone
"O" document referring to an oral disclosure, use, exhibition or other means	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is
"P" document published prior to the international filing date but later than the priority date claimed	combined with one or more other such documents, such combination being obvious to a person skilled in the art
	"&" document member of the same patent family

Date of the actual completion of the international search
27 June, 2000 (27.06.00)Date of mailing of the international search report
25 July, 2000 (25.07.00)Name and mailing address of the ISA/
Japanese Patent Office

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/02015

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>in Proceedings of the Third ACM Conference on Computer and Communications Security (COMPCON '95), pp. 26-31. page 28 (explanation of structure of payment URL)</p> <p>WO, 97/49074, A1 (VeriFone, Incorporated), 24 December, 1997 (24.12.97) & AU, 97-36406, A1 & US, 5889863, A Sections, "URL Descriptions" and "Thread-Safe vPOS-TID Allocation"</p>	1-29